

In re Appln. of: Shulman et al.
Application No.: 09/970,409

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demand in response to a user input command. An assist window displays two general categories of information including but not limited to selection menu information based on a partial compilation of all programming language statements, and informational displays based on a partial compilation and a reverse parse of an immediate programming language statement. The statement generating tool assist windows are non-intrusive to programmer input and can be ignored by the programmer by merely continuing to type.

IN THE CLAIMS:

Sub P1

Add the following claims:

21. (Amended) A computer-readable medium containing computer-executable instructions to perform a method for assisting a computer programmer in real-time to modify a present programming language statement of a computer program, the method comprising:

enabling a programming language editor having a character position cursor and a randomly positionable pointer;

partially compiling available ones of a plurality of programming language statements in said computer program;

defining a finite set of programming language statement information that is relevant to at least one segment of the present programming language statement from among said plurality of programming language statements that is proximate to said character position cursor which allows modification of the programming language statement; and

automatically generating a passive assist window that contains at least one of selection menu information and said finite set of programming language statement information, in a location proximate to said character position cursor that does not obstruct the current view of said programming language statement.